

REMARKS

This application has been carefully reviewed in light of the Office Action dated January 21, 2004. Claims 30 to 39 remain pending in the application, of which Claims 30 and 35 to 39 are independent. Reconsideration and further examination are respectfully requested.

Claims 30 to 39 have been rejected under 35 U.S.C. § 103(a) over U.S. Patent No. 6,229,540 (Tonelli) in view of U.S. Patent No. 6,353,848 (Morris). Please let us have your detailed technical comments for responding to the rejections.

The present invention concerns setting of location information of a device that is not registered in, for example, a server, and registering the set location information to the device so that the location information can be stored in the device. According to the invention, a user inputs, at a client computer, for example, device attribute information to search for a desired device. The client computer receives from, for example, the server, search results, which include device information of devices that satisfy the device attribute information. In one aspect, the search results are displayed on a display (e.g., as icons) so that devices included in the search results are identifiable as to whether or not location information of the device is registered. For devices whose location information is not registered, the location information is set. In one aspect, the setting may be performed by designating an icon of a device at a location on a map displayed on the display. Once the location information has been set, the set location information is registered to the device. As a result of the foregoing, a user can easily register location information in devices for which the location information has not been registered.

With specific reference to the claims, amended independent Claim 30 is an information processing apparatus, comprising a transmission unit arranged to transmit

device attribute information input by a user to search for a desired device, a reception unit arranged to receive, as search results, device information of devices satisfying the device attribute information transmitted by said transmission unit, a display unit arranged to identifiably display whether or not location information of the devices included in the search results received by the reception unit is registered, a setting unit arranged to set location information of devices whose location information is not registered, among devices included in the search results, and a registration unit arranged to register the location information set by the setting unit to the devices whose location information is not registered.

Amended independent Claims 36 and 38 are method and computer-medium claims, respectively, that substantially correspond to Claim 30.

Amended independent Claim 35 is an information processing apparatus, comprising a transmission unit arranged to transmit device attribute information input by a user to search for a desired device, a reception unit arranged to receive, as search results, device information of devices satisfying the device attribute information transmitted by the transmission unit, a display unit arranged to display icons respectively corresponding to the devices of the device information received as the search results by the reception unit, a setting unit arranged to set location information of a device corresponding to an icon of a device, from among the displayed icons, being designated at a location on a map, and a registration unit arranged to register the location information set by the setting unit to the device represented by the icon whose location is designated on the map.

Amended independent Claims 37 and 39 are method and computer-medium claims, respectively, that substantially correspond to Claim 35.

The applied art, alone or in any permissible combination, is not seen to disclose or to suggest the features of the present invention. In particular, and with regard to Claims 30, 36 and 38, the applied art is not seen to disclose or to suggest at least the feature of setting location information of a device included in search results whose location information is not registered, and registering the set location information to the device whose location information is not registered. With regard to Claims 35, 37 and 39, the applied art is not seen to disclose or to suggest at least the feature of setting location information of a device corresponding to an icon of the device being designated at a location on a map, and a registering the set location information to the device represented by the icon whose location is designated on the map.

Tonelli is seen to disclose discovering devices on a network, with device icons representing various types of devices discovered on the network being displayed on a layout. Discovered information may be entered into a database, and if some information is not filled-in, the user may fill-in the information manually, which is saved in the database. (See Figs. 11 and 22, and column 19, line 11 to column 22, line 19.) Thus, Tonelli merely performs a query for devices on the network, displays discovered devices on a layout, adds information to a database, and permits a user to enter information of the device into the database. However, Tonelli is not seen to disclose or to suggest anything with regard to registering location information to a device found in the query. Accordingly, Tonelli is not seen to disclose or to suggest at least the feature of setting location information of a device included in search results whose location information is not registered, and registering the set location information to the device whose location information is not registered as claimed in Claims 30, 36 and 38. Moreover, Tonelli is not seen to disclose or to suggest that, when an icon representing a device is designated at a location on a map, location

information is set and the set location information is registered to the device. Accordingly, Tonelli is also not seen to disclose or to suggest at least the feature of setting location information of a device corresponding to an icon of the device being designated at a location on a map, and a registering the set location information to the device represented by the icon whose location is designated on the map as claimed in Claims 35, 37 and 39.

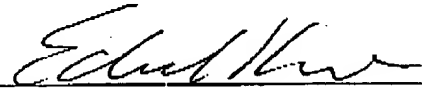
Morris is merely seen to disclose a program for a client computer to remotely access a digital camera, to receive registration information from the digital camera, to specify location of the camera, and to cause a server to store relative conditions of the camera such as the camera name, security, account information, etc. However, Morris is silent as to what happens when location information is not registered in the digital camera. Therefore, Morris is not seen to disclose or to suggest that location information of the camera is set and that the set location information is registered in the camera. Accordingly, Morris is not seen to add anything that, when combined with Tonelli, would have resulted in at least the feature of setting location information of a device included in search results whose location information is not registered, and registering the set location information to the device whose location information is not registered (Claims 30, 36 and 38), or at least the feature of setting location information of a device corresponding to an icon of the device being designated at a location on a map, and a registering the set location information to the device represented by the icon whose location is designated on the map (Claims 35, 37 and 39).

In view of the foregoing amendments and remarks, all of Claims 30 to 39 are believed to be allowable. Accordingly, the entire application is believed to be in condition for allowance and such action is respectfully requested at the Examiner's earliest convenience.

As a formal matter, Applicants note that the Examiner has not provided an indication that the replacement drawing sheets submitted with the October 31, 2003 Amendment have been approved. Accordingly, an indication that the foregoing replacement drawing sheet have been approved is respectfully solicited.

Applicants' undersigned attorney may be reached in our Costa Mesa, California office at (714) 540-8700. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,



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